

ABSTRACT OF THE DISCLOSURE

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a 5 An imaging apparatus (50) for generating an image signal from incident light with higher spatial frequencies of the incident light limited to reduce undersampling artifacts. Apparatus (50) includes a ^a~~an~~ detector plane (62) for generating the image signal from an array of photosites, (63) and an optical section having a relatively thin lithium niobate rhomboidal filter (51) interposed in the path of the incident light so as to produce a blurred image on the photosites. A filter configuration is disclosed which produces four spots (58) at the
10 imaging sensors (62) positioned at the corners of a rhombus.